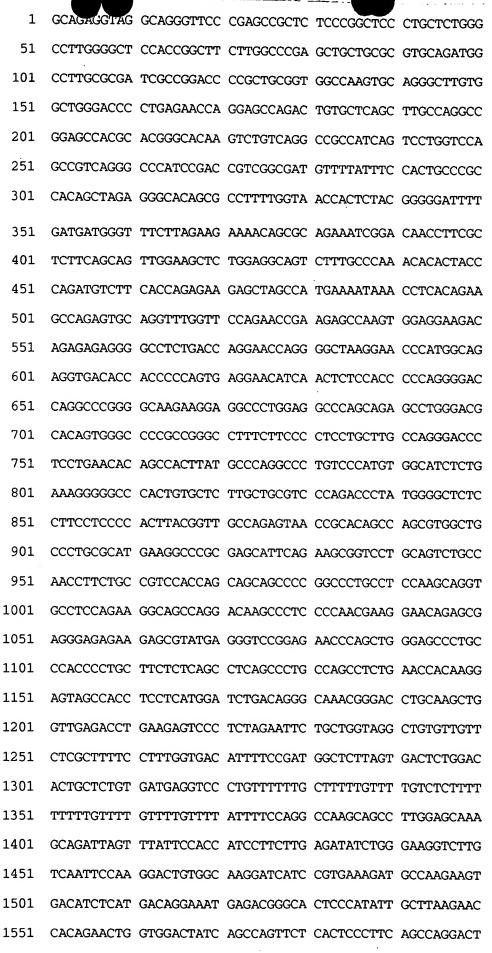


Figure IA + 1B



1601	GGCATCGGCC	TCCTTTGTCT	TGTTTAAAGG	AATTAGCTGA	GGTTTTGGCT
1651	AGGAAGTGAC	AAGATATGGG	CTGAAGACAT	TGTGGTCCTG	ACCCTAGCAG
1701	ATCTCCCTGG	GCACATCTGA	CCTGGTCCAG	TCAGGCAGGT	TGTCAGTTCG
1751	GGGATGGGG	CTGCTCTGCT	GATTCTGTGT	GTGGGTTCCC	TGCAATTAGA
1801	GTGTTCACTT	GCAGGCCCCG	CTCTCTTCAG	AAGAGTGATG	GGAAGTTCAC
1851	CAATCAGAAT	GTAGCTTTGT	AGCCCAGGAA	AGGACCAGAG	TCCTTGAAGC
1901	GGTAGGAAAT	CCCTAGGAAG	GCCCCTTAAA	TACTTATGCC	CAGATGAGCT
1951	GCCCTTCTTC	CTATCCCCGT	ATGTCGAGAG	GTTGACGAGA	CAGGAAAGCC
2001	AGGAAGATGA	CTCCGTGTGG	CAGAAGAGAA	TGGAGTCCAA	AGGGCCAACT
2051	TTCACAGAGA	TTTCTGCCGC	AGTTTAGCGT	GGCTGTGTTC	TTTCACGCGA
2101	TGGTGACTTC	GGAGAGATCA	GAGGGAGATG	TGCAATAGCA	TGAGCCCCGC
2151	TCCTGGCCCG	GGTCCTGGAA	AGGTTGTGGT	TGTTTGGTGG	CTTTGGCTGA
2201	TGATGTTTCC	ACGCAAACAG	ATATTGCTTT	CATGATGGCT	GTTCTCATTT
2251	CAGTTCTGAT	AATCGAGACG	CTGTGCTCCC	AGGCGCTCTG	CCTCCCCTTA
2301	ACTCTTCAGG	AGCACCCCCT	CCCCTGTAAT	ACTCCTAAGT	GTATCGTGCC
2351	TCACTTACGG	TTACTGCAAC	ACATTTGATG	GAACACACTG	TCTCCTTTAA
2401	AAAAGAAAAA	АААААААА	АААА		

Fig 2B

Α	$\mathtt{MFYFHCPPQLEGTAPFGNHSTGDFDDGFL}$	30
	RKQRRNRTTFALQQLEALEAVFAQTHYPDV	60
	FTREELAMKINLTEARVQVWFQNRRAKWRK	90
	TERGASDQEPGAKEPMAEVTPPPVRNINSP	120
	PPGDQARGKKEALEAQQSLGRTVGPAGPFF	150
	PSCLPGTLLNTATYAQALSHVASLKGGPLC	180
	SCCVPDPMGLSFLPTYGCQSNRTASVAALR	210
	MKAREHSEAVLQSANLLPSTSSSPGPASKQ	240
	VPPEGSQDKPSPTKEQSEGEKSV* 264	

Figure 3

Drg11 Phox2 Pax3 Cart1 Phox1 S8 Pax6 Dal Dprd Drepo Cunc4	G F L RR K Q R R N R T T F A L Q Q L E A L E A V F A Q T H Y P D V F T R E E L A M K I I N L T E A R L H E K R K Q R R I R T T F T S A Q L K E L E R V F A E T H Y P D I Y T R E E L A L K I D L T E A R L P L K R K Q R R S R T T F T A E Q L E E L E R A P E R T H Y P D I Y T R E E L A Q R A K L T E A R N V S S S K K R R H R T T F T S L Q L E E L E R A P E R T H Y P D I Y T R E E L A Q R A K L T E A R E K K K R K Q R R N R T T F N S S Q L Q A L E R V F E R T H Y P D A F V R E D L A R R V N L T E A R E K K K R K Q R R N R T T F N S S Q L Q A L E R V F E R T H Y P D A F V R E E L A R R V N L S E A R L Q L K R K L Q R N R T T F N S S Q L Q A L E R V F E R T H Y P D A F V R E E L A R R V N L S E A R L Q L K R K L Q R N R T S F T Q E Q I E A L E K E F E R T H Y P D V F A R E E L A M K I I D L P E A R Y A P K R K Q R R Y R T T F T S F Q L E E L E K A F S R T H Y P D V F T R E E L A M K I I G L T E A R I A L K R K Q R R C R T T F S A Y Q L E E L E R A F E R T Q Y P D V F A R E E L A Q R T N L T E A R I A L K R K K K K K T R T T F T A Y Q L E E L E R A F E R T Q Y P D V F M R E E L A I K L N L S E S R G E S A A K R R R T T R T N F S G W Q L E E L E S A F E A S H Y P D V F M R E A L A M R L D L L E S R	50 50 50 50 50 50 50 50
Drg11 Phox2 Pax3 Cart1 Phox1 S8 Pax6 Dal Dprd Drepo Cunc4	V Q V W F Q N R R A K W R K T E R G A S V Q V W F Q N R R A K F R K Q E R A A S V Q V W F S N R R A R W R K Q A G A N Q V Q V W F Q N R R A K W R K R E R Y G Q V Q V W F Q N R R A K F R R N E R A M L V Q V W F Q N R R A K F R R N E R A M L I Q V W F S N R R A K W R R E E K L R N I Q V W F S N R R A K W R R E E K L R N I Q V W F S N R R A K W R K H E P P R K V Q V W F Q N R R A K W R K H E P P R K V Q V W F Q N R R A K W R K R E Q N R N	70 70 70 70 70 70 70 70 70

Figure 4